

[ZPL Windows SDK]

[Printer ZPL Command Development Manual v2.0]

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1. Information of the Manual

This SDK manual provides the dll file information for Windows application development.

We continuously promote and update the function and quality of all our products. Any change to the product specification and the manual will be without any further notice.

2. Operation System

- Windows 2003/XP/7/8/10

3. Remark

- When error code Return Value is greater than 0, it is the internal error of Windows system, please refer to related help file.

4. Method

4.1 PrinterCreator

Set up the target printer of specified model (should create target printer before using any function).

```
int PrinterCreator(  
    void* handle,  
    const TCHAR* model  
)
```

Parameter:

void handle*
[in,out] The created target printer object.
const TCHAR model*
[in] Specify the model of target printer.

Return Value:

Error Code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_INVALID_MODEL	-8	Invalid model name

4.2 PrinterCreatorS

Set up the target printer of specified model, the function is same to PrinterCreator (should create target printer before using any function).

```
void* PrinterCreatorS(  
    const TCHAR* model  
)
```

Parameter:

const TCHAR model*
[in] Specify the model of target printer

Return:

Success : return the handle of printer object.

Fail: return NULL, invalid handle.

4.3 PrinterDestroy

Release the resource of specified model printer that has set up (after operation completed and no more operation for printer, it should release the printer that has set up).

```
int PrinterDestroy(  
    void* handle  
)
```

Parameter:

void handle*
[in] The handle of target printer object which needs to release.

Return Value:

Error Code	Value	Description
E_SUCCESS	0	Normal
E_BAD_HANDLE	-6	Invalid handle

4.4 PortOpen

Open the communication port and connect with the printer. After successfully connected, other functions can be used. If failed connecting, please check the error information.

```
int PortOpen(  
    void* handle,  
    const TCHAR* ioSettings  
,
```

Parameter:

```
void* handle  
    [in,out] The created target printer object.  
const TCHAR* ioSettings  
    [in] Set up the parameter of communication port that connected to the target  
        printer. Please see as below:
```

Configuration List:

Type	Configuration	Description	Sample
USB	USB[,Position/Model/PortNum]	USB: connect any USB printer of our company USB[,Position]: When connecting to multi printers of our company, can specify connecting to one particular USB printer through USB position information (Position parameter)	USB USB,Port_#0004.Hub_#0003 USB,LPG4 USB,USB001
NET	NET, IP Add (IPV4)[,Port]	Specify the IP add and port of internet printer. If not specifying port, the default port is 9100.	NET,192.168.0.36 NET,192.168.0.36,9100
COM	COMn,BAUDRATE_rate	Specify the number and baud rate of connected serial port .	COM5,BAUDRATE_19200
LPT	LPTn	Specify the number of connected parallel port.	LPT1

Note: [] indicates selective parameter

*If you connect to many different printers of our company at the same time,it is recommended to connect them by "USB,model".

Return Value:

Error Code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_OPEN_FAILED	-311	Port open failed

4.5 PortClose

This function is to close the communication port and disconnect with the printer.

```
int PortClose(  
    void* handle  
)
```

Parameter:

void handle*
[in,out] The created target printer object.

Return Value:

Error Code	Value	Description
E_SUCCESS	0	Normal
E_BAD_HANDLE	-6	Invalid handle

4.6 WriteData

This function is to send data to the printer.

```
int WriteData(  
    void* handle,  
    unsigned char* writeData,  
    unsigned int writeNum  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
unsigned char writeData*
[in] The data sent to the printer (hex string).
unsigned int writeNum
[in] The length of the data sent.

Return Value:

Error Code	Value	Description
E_SUCCESS	0	Normal
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout
E_IO_READ_FAILED	-331	Read failed
E_IO_READ_TIMEOUT	-332	Read timeout

4.7 ReadData

This function is to read the printer data.

```
int ReadData(  
    void* handle,  
    unsigned char* readData,  
    unsigned int readNum,  
    unsigned int* preadNum  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
unsigned char readData*
[in] Printer data that needs to be read.
unsigned int readNum
[in] The length of data that needs to be read.
unsigned int preadNum*
[in] The length of the data actually read.

Return Value:

Error Code	Value	Description
E_SUCCESS	0	Normal
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_READ_FAILED	-331	Read failed
E_IO_READ_TIMEOUT	-332	Read timeout

4.8 DirectIO

This function is for the user to customize the data sent and read by the printer. If some functions do not provide a function interface, the user can send command data to the printer through this interface.

```
int DirectIO(  
    void* handle,  
    unsigned char* writedata,  
    unsigned int writeNum,  
    unsigned char* readdata,  
    unsigned int readNum,  
    unsigned int* preaddedNum  
) ;
```

Parameter:

void handle*

[in,out] The created target printer object.

unsigned char writedata*

[in] The data written to the printer.

unsigned int writeNum

[in] The length of the data written to the printer.

When writeNum=0, the write data operation is not performed.

unsigned char readdata*

[in,out] Get the data returned by the printer.

unsigned int readNum

[in] Preset the length of data that needs to be read.

When readNum=0, the read data operation is not performed.

unsigned int preaddedNum*

[in,out] The length of the data actually read.

Return Value:

Error Code	Value	Description
E_SUCCESS	0	Normal
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout
E_IO_READ_FAILED	-331	Read failed
E_IO_READ_TIMEOUT	-332	Read timeout

4.9 ZPL_StartFormat

This function is to indicate the beginning of a new label format.

```
int ZPL_StartFormat(  
    void* handle  
)
```

Parameter:

void handle*
[in,out] The created target printer object.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.10 ZPL_EndFormat

This function is to indicate the end of a label format.

```
int ZPL_EndFormat(  
    void* handle  
)
```

Parameter:

void handle*
[in,out] The created target printer object.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.11 ZPL_ScalableFontText

This function is to print scalable fonts.

```
int ZPL_ScalableFontText(  
    void* handle,  
    int xPos,  
    int yPos,  
    char fontName,  
    int orientation,  
    int fontWidth,  
    int fontHeight,  
    char* text  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
int xPos
[in] Horizontal starting position (range: 0-32000,unit:dot).
int yPos
[in] Vertical starting position (range: 0-32000,unit:dot).
char fontName
[in] Font(range: A-Z and 0-9).
int orientation
[in] Print direction.
 0 : normal
 90 : Rotate 90 degrees clockwise
 180: Rotate 180 degrees clockwise
 270: Rotate 270 degrees clockwise

int fontWidth
 [in] Font width.
int fontHeight
 [in] Font height.
char text*
 [in]Text data.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.12 ZPL_Text

This function is to print text.

```
int ZPL_Text(  
    void* handle,  
    int xPos,  
    int yPos,  
    int fontNum,  
    int orientation,  
    int fontWidth,  
    int fontHeight,  
    char* text  
) ;
```

Parameter:

```
void* handle  
    [in,out] The created target printer object.  
int xPos  
    [in] Horizontal starting position (range: 0-32000,unit:dot).  
int yPos  
    [in] Vertical starting position (range: 0-32000,unit:dot).
```

```

int fontNum
  [in] Font.
    0 : FONT 0 - Scalable font
    1 : FONT A - Bitmap font
    2 : FONT B - Bitmap font
    3 : FONT D - Bitmap font
    4 : FONT E - Bitmap font
    5 : FONT F - Bitmap font
    6 : FONT G - Bitmap font
    7 : FONT H - Bitmap font
    8 : FONT GS - Bitmap font
    9 : FONT P - Bitmap font
   10 : FONT Q - Bitmap font
   11 : FONT R - Bitmap font
   12 : FONT S - Bitmap font
   13 : FONT T - Bitmap font
   14 : FONT U - Bitmap font
   15 : FONT V - Bitmap font
   16 : SIMSUN.TTF – Song font
   17 : FONT Z - Vietnam font

int orientation
  [in] Print direction.
    0 : normal
    90: Rotate 90 degrees clockwise
   180: Rotate 180 degrees clockwise
   270: Rotate 270 degrees clockwise

int fontWeight
  [in] Font width.

int fontHeight
  [in] Font height.

FONT A -- ABCDwxyz 12345
FONT B -- ABCDWXYZ 12345 UPPER CASE ONLY
FONT D -- ABCDwxyz 12345
FONT E -- (OCR-B) ABCDwxyz 12345
FONT F -- ABCDwxyz 12345
FONT G -- ABYz 12
FONT H -- (OCR-A) UPPER CASE ONLY
FONT O -- (Scaleable) ABCDwxyz 12345
FONT GS -- ® ™ ®
FONT P -- ABCDwxyz 12345
FONT Q -- ABCDwxyz 12345
FONT R -- ABCDwxyz 12345
FONT S -- ABCDwxyz 12345
FONT T -- ABCDwxyz 12345
FONT U -- ABCDwxyz 12345
FONT V -- ABCDwxyz 12345
ABCDwxyz 12345

```

Note: When FONT Z is selected, the minimum width and height are 12*24, and can only be multiplied.

char text*
 [in]Text data.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.13 ZPL_BarCode39

This function is to print Barcode39 barcodes.

```
int ZPL_BarCode39(
```

```
    void* handle,  
    int xPos,  
    int yPos,  
    int orientation,  
    int moduleWidth,  
    int codeHeight,  
    char line,  
    char lineAboveCode,  
    char digit,  
    char* text
```

```
);
```

Parameter:

```
void* handle
```

[in,out] The created target printer object.

```
int xPos
```

[in] Horizontal starting position (range: 0-32000,unit:dot).

```
int yPos
```

[in] Vertical starting position (range: 0-32000,unit:dot).

```
int orientation
```

[in] Print direction.

0 : normal

90 : Rotate 90 degrees clockwise

180: Rotate 180 degrees clockwise

270: Rotate 270 degrees clockwise

```

int moduleWidth
    [in] Bar code width (range: 0-10,unit:dot).
int codeHeight
    [in] Bar code height(range: 1-32000,unit:dot).
char line
    [in] Comment line.
    'N': not print
    'Y': print
char lineAboveCode
    [in] The comment line above the barcode.
    'N': not print above the barcode
    'Y': print above the barcode
char digit
    [in] Check Digit.
    'N': do not print check digit
    'Y': print check digit
char* text
    [in] Text data.

```

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.14 ZPL_Pdf417

This function is to print the Pdf417 code.

```
int ZPL_Pdf417(  
    void* handle,  
    int xPos,  
    int yPos,  
    int orientation,  
    int moduleWidth,  
    int codeHeight,  
    int securityLevel,  
    int column,  
    int rows,  
    char truncate,  
    char* text  
);
```

Parameter:

void handle*
[in,out]The created target printer object.
int xPos
[in] Horizontal starting position (range: 0-32000,unit:dot).
int yPos
[in] Vertical starting position (range: 0-32000,unit:dot).

int orientation

[in] Print direction.

0 : normal

90: Rotate 90 degrees clockwise

180: Rotate 180 degrees clockwise

270: Rotate 270 degrees clockwise

int moduleWidth

[in] Bar code width (range: 0-10,unit:dot).

int codeHeight

[in] Bar code height(range: 1-32000,unit:dot).

int securityLevel

[in] Security level (range:1-8).

int column

[in] The number of columns to encode.

int rows

[in] The number of rows to encode.

char truncate

[in] Truncated layer indication and stop mode.

'N': not truncated

'Y': execution truncation

char text*

[in] QR code data.

Return value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.15 ZPL_CodeEan8

This function is to print CodeEan8 barcodes.

```
int ZPL_CodeEan8(  
    void* handle,  
    int xPos,  
    int yPos,  
    int orientation,  
    int moduleWidth,  
    int codeHeight,  
    char line,  
    char lineAboveCode,  
    char* text  
) ;
```

Parameter:

```
void* handle  
    [in,out]The created target printer object.  
int xPos  
    [in] Horizontal starting position (range: 0-32000,unit:dot).  
int yPos  
    [in] Vertical starting position (range: 0-32000,unit:dot).  
int orientation  
    [in] Print direction.  
        0 : normal  
        90 : Rotate 90 degrees clockwise  
        180: Rotate 180 degrees clockwise  
        270: Rotate 270 degrees clockwise  
int moduleWidth  
    [in] Bar code width (range: 0-10,unit:dot).
```

int codeHeight
[in] Bar code height(range: 1-32000,unit:dot).

char line
[in] Comment line.
'N': not print
'Y': print

char lineAboveCode
[in] The comment line above the barcode.
'N': not print above the barcode
'Y': print above the barcode

char text*
[in] Text data.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.16 ZPL_UpcCode

This function is to print UPC-E barcodes.

```
int ZPL_UpcCode(  
    void* handle,  
    int xPos,  
    int yPos,  
    int orientation,  
    int moduleWidth,  
    int codeHeight,  
    char line,  
    char lineAboveCode,  
    char* text  
) ;
```

Parameter:

```
void* handle  
    [in,out]The created target printer object.  
int xPos  
    [in] Horizontal starting position (range: 0-32000,unit:dot).  
int yPos  
    [in] Vertical starting position (range: 0-32000,unit:dot).  
int orientation  
    [in] Print direction.  
        0 : normal  
        90 : Rotate 90 degrees clockwise  
        180: Rotate 180 degrees clockwise  
        270: Rotate 270 degrees clockwise
```

```

int moduleWidth
    [in] Bar code width (range: 0-10,unit:dot).
int codeHeight
    [in] Bar code height(range: 1-32000,unit:dot).
char line
    [in] Comment line.
    'N': not print
    'Y': print
char lineAboveCode
    [in] The comment line above the barcode.
    'N': not print above the barcode
    'Y': print above the barcode
char* text
    [in] Text data.

```

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.17 ZPL_BarCode93

This function is to print Barcode93 barcodes.

```
int ZPL_BarCode93(
```

```
    void* handle,
```

```
    int xPos,
```

```
    int yPos,
```

```
    int orientation,
```

```
    int moduleWidth,
```

```
    int codeHeight,
```

```
    char line,
```

```
    char lineAboveCode,
```

```
    char digit,
```

```
    char* text
```

```
);
```

Parameter:

```
void* handle
```

[in,out] The created target printer object.

```
int xPos
```

[in] Horizontal starting position (range: 0-32000,unit:dot).

```
int yPos
```

[in] Vertical starting position (range: 0-32000,unit:dot).

```
int orientation
```

[in] Print direction.

0 : normal

90 : Rotate 90 degrees clockwise

180: Rotate 180 degrees clockwise

270: Rotate 270 degrees clockwise

```

int moduleWidth
    [in] Bar code width (range: 0-10,unit:dot).
int codeHeight
    [in] Bar code height(range: 1-32000,unit:dot).
char line
    [in] Comment line.
        'N': not print
        'Y': print
char lineAboveCode
    [in] The comment line above the barcode.
        'N': not print above the barcode
        'Y': print above the barcode
char digit
    [in] Check Digit.
        'N': do not print check digit
        'Y': print check digit
char* text
    [in] Text data.

```

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.18 ZPL_BarCode128

This function is to print Barcode128 barcodes.

```
int ZPL_BarCode128(  
    void* handle,  
    int xPos,  
    int yPos,  
    int orientation,  
    int moduleWidth,  
    int codeHeight,  
    char line,  
    char lineAboveCode,  
    char checkDigit,  
    char mode,  
    char* text  
) ;
```

Parameter:

```
void* handle  
    [in,out] The created target printer object.  
int xPos  
    [in] Horizontal starting position (range: 0-32000,unit:dot).  
int yPos  
    [in] Vertical starting position (range: 0-32000,unit:dot).
```

int orientation

[in] Print direction.

0 : normal

90: Rotate 90 degrees clockwise

180: Rotate 180 degrees clockwise

270: Rotate 270 degrees clockwise

int moduleWidth

[in] Bar code width (range: 0-10,unit:dot).

int codeHeight

[in] Bar code height(range: 1-32000,unit:dot).

char line

[in] Comment line.

'N': not print

'Y': print

char lineAboveCode

[in] The comment line above the barcode.

'N': not print above the barcode

'Y': print above the barcode

char checkDigit

[in] UCC check Digit.

'N': do not print check digit

'Y': print check digit

char mode

[in] Mode.

'N': no choice mode

'U': UCC matching mode

'A': automatic mode

'D': UCC/EAN mode

char text*

[in] Text data.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.19 ZPL_CodeEan13

This function is to print CodeEan13 barcodes.

```
int ZPL_CodeEan13(  
    void* handle,  
    int xPos,  
    int yPos,  
    int orientation,  
    int moduleWidth,  
    int codeHeight,  
    char line,  
    char lineAboveCode,  
    char* text  
) ;
```

Parameter:

```
void* handle  
    [in,out]The created target printer object.  
int xPos  
    [in] Horizontal starting position (range: 0-32000,unit:dot).  
int yPos  
    [in] Vertical starting position (range: 0-32000,unit:dot).  
int orientation  
    [in] Print direction.  
        0 : normal  
        90 : Rotate 90 degrees clockwise  
        180: Rotate 180 degrees clockwise  
        270: Rotate 270 degrees clockwise
```

```

int moduleWidth
    [in] Bar code width (range: 0-10,unit:dot).
int codeHeight
    [in] Bar code height(range: 1-32000,unit:dot).
char line
    [in] Comment line.
    'N': not print
    'Y': print
char lineAboveCode
    [in] The comment line above the barcode.
    'N': not print above the barcode
    'Y': print above the barcode
char* text
    [in] Text data.

```

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.20 ZPL_MicroPdf417

This function is to print MicroPdf417 codes.

```
int ZPL_MicroPdf417(  
    void* handle,  
    int xPos,  
    int yPos,  
    int orientation,  
    int moduleWidth,  
    int codeHeight,  
    int mode,  
    char* text  
) ;
```

Parameter:

```
void* handle  
    [in,out]The created target printer object.  
int xPos  
    [in] Horizontal starting position (range: 0-32000,unit:dot).  
int yPos  
    [in] Vertical starting position (range: 0-32000,unit:dot).  
int orientation  
    [in] Print direction.  
        0 : normal  
        90 : Rotate 90 degrees clockwise  
        180: Rotate 180 degrees clockwise  
        270: Rotate 270 degrees clockwise  
  
int moduleWidth  
    [in] Bar code width (range: 0-10,unit:dot).  
int codeHeight  
    [in] Bar code height(range: 1-32000,unit:dot).
```

int mode

[in] Mode(range: 0-33).

Mode (M)	Number of Data Columns	Number of Data Rows	% of Cws for EC	Max Alpha Characters	Max Digits
0	1	11	64	6	8
1	1	14	50	12	17
2	1	17	41	18	26
3	1	20	40	22	32
4	1	24	33	30	44
5	1	28	29	38	55
6	2	8	50	14	20
7	2	11	41	24	35
8	2	14	32	36	52
9	2	17	29	46	67
10	2	20	28	56	82
11	2	23	28	64	93
12	2	26	29	72	105
13	3	6	67	10	14
14	3	8	58	18	26
15	3	10	53	26	38
16	3	12	50	34	49
17	3	15	47	46	67
18	3	20	43	66	96
19	3	26	41	90	132
20	3	32	40	114	167
21	3	38	39	138	202
22	3	44	38	162	237
23	4	6	50	22	32
24	4	8	44	34	49
25	4	10	40	46	67
26	4	12	38	58	85
27	4	15	35	76	111
28	4	20	33	106	155
29	4	26	31	142	208
30	4	32	30	178	261
31	4	38	29	214	313
32	4	44	28	250	366
33	4	4	50	14	20

char text*

[in] Text data.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.21 ZPL_QRCode

This function is to print a QR code.

```
int ZPL_QRCode(  
    void* handle,  
    int xPos,  
    int yPos,  
    int orientation,  
    int model,  
    int dpi,  
    char eccLevel,  
    char input,  
    char charMode,  
    char* text  
) ;
```

Parameter:

```
void* handle  
    [in,out] The created target printer object.  
int xPos  
    [in] Horizontal starting position (range: 0-32000,unit:dot).  
int yPos  
    [in] Vertical starting position (range: 0-32000,unit:dot).  
int orientation  
    [in] Print direction.  
        0 : normal  
        90 : Rotate 90 degrees clockwise  
        180: Rotate 180 degrees clockwise  
        270: Rotate 270 degrees clockwise  
int model
```

[in] Set the QR code version (1: original version, 2: enhanced version).

int dpi

[in] Magnification factor (range: 1-10).

char eccLevel

[in] Error correction level.

H: Ultra high reliability

Q: High reliability

M: standard level

L: high density level

char input

[in] Input mode.

A:Automatic Input

M:Manual Input

char charMode

[in] character Mode.

N:Numeric

A:Alphanumeric

B:8-bit byte mode

K:Kanji ,handles only Kanji characters in accordance with the Shift JIS system based on JIS X 0208. This means that all parameters after the character mode K should be 16-bit characters. If there are any 8-bit characters (such as ASCII code), an error occurs.

char text*

[in] data.Only when charMode is B, the first four digits of the data should be the data size, for example, if the data is qrcode, pass 0006qrcode.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.22 ZPL_UpcExtensions

This function is to print UPC extended barcodes.

```
int ZPL_UpcExtensions(  
    void* handle,  
    int xPos,  
    int yPos,  
    int orientation,  
    int moduleWidth,  
    int codeHeight,  
    char line,  
    char lineAboveCode,  
    char* text  
) ;
```

Parameter:

```
void* handle  
    [in,out]The created target printer object.  
int xPos  
    [in] Horizontal starting position (range: 0-32000,unit:dot).  
int yPos  
    [in] Vertical starting position (range: 0-32000,unit:dot).  
int orientation  
    [in] Print direction.  
        0 : normal  
        90 : Rotate 90 degrees clockwise  
        180: Rotate 180 degrees clockwise  
        270: Rotate 270 degrees clockwise
```

```

int moduleWidth
    [in] Bar code width (range: 0-10,unit:dot).
int codeHeight
    [in] Bar code height(range: 1-32000,unit:dot).
char line
    [in] Comment line.
    'N': not print
    'Y': print
char lineAboveCode
    [in] The comment line above the barcode.
    'N': not print above the barcode
    'Y': print above the barcode
char* text
    [in] Text data.

```

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.23 ZPL_UpcBarcode

This function is to print UPC-A barcodes.

```
int ZPL_UpcBarcode(  
    void* handle,  
    int xPos,  
    int yPos,  
    int orientation,  
    int moduleWidth,  
    int codeHeight,  
    char line,  
    char lineAboveCode,  
    char digit,  
    char* text  
);
```

Parameter:

```
void* handle  
    [in,out] The created target printer object.  
int xPos  
    [in] Horizontal starting position (range: 0-32000,unit:dot).  
int yPos  
    [in] Vertical starting position (range: 0-32000,unit:dot).  
int orientation  
    [in] Print direction.  
        0 : normal  
        90 : Rotate 90 degrees clockwise  
        180: Rotate 180 degrees clockwise  
        270: Rotate 270 degrees clockwise
```

```

int moduleWidth
    [in] Bar code width (range: 0-10,unit:dot).
int codeHeight
    [in] Bar code height(range: 1-32000,unit:dot).
char line
    [in] Comment line.
        'N': not print
        'Y': print
char lineAboveCode
    [in] The comment line above the barcode.
        'N': not print above the barcode
        'Y': print above the barcode
char digit
    [in] Check Digit.
        'N': do not print check digit
        'Y': print check digit
char* text
    [in] Text data.

```

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.24 ZPL_SetChangeFontEncoding

This function is to select an international character set.

```
int ZPL_SetChangeFontEncoding(  
    void* handle,  
    int encodeType  
) ;
```

Parameter:

```
void* handle  
    [in,out] The created target printer object.  
int encodeType  
    [in] Character set type (range: 0-31, 33-36).  
        0 : single byte encoding - US 1 character set  
        1 : Single-byte encoding - US 2 character set  
        2 : Single Byte Encoding - British Character Set  
        3 : Single Byte Encoding - Dutch Character Set  
        4 : Single-byte encoding - Danish/Norwegian character set  
        5 : Single-byte encoding - Swedish/Finnish character set  
        6 : Single byte encoding - German character set  
        7 : Single-byte encoding - French 1 character set  
        8 : Single-byte encoding - French 2 character set  
        9 : Single-byte encoding - Italian character set  
       10 : Single Byte Encoding - Spanish Character Set  
       11 : Single Byte Encoding - Miscellaneous Character Set  
       12 : Single-byte encoding - Japanese character set  
       13 : Code Page 850  
       14 : Double Byte Asian Code  
       15 : Shift-JIS  
       16 : EUC-JP and EUC-CN  
       17 : Not recommended - UCS-2 BigEndian  
       18-23 : Reserved  
       24 : Single Byte Asian Code  
       25 : Reserved  
       26 : Multibyte Asian Code
```

27 : Code Page 1252
28 : Unicode (UTF-8 encoding) - Unicode character set
29 : Unicode (UTF-16 Big-Endian encoding) - Unicode character set
30 : Unicode (UTF-16 Little-Endian encoding) - Unicode character set
31 : Code Page 1250
33 : Code page 1251
34 : Code page 1253
35 : Code page 1254
36 : Code page 1255
39 : Vietnam Character Set

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.25 ZPL_SetChangeCaret

This function is to change the format command prefix.

```
int ZPL_SetChangeCaret(  
    void* handle,  
    char character  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
char character
[in] Format command prefix.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.26 ZPL_SetChangeDelimiter

This function is to change the separator.

```
int ZPL_SetChangeDelimiter(  
    void* handle,  
    char character  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
char character
[in] Separator.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.27 ZPL_SetChangeTilde

This function is to change the control command prefix.

```
int ZPL_SetChangeTilde(  
    void* handle,  
    char character  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
char character
[in] Control command prefix.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.28 ZPL_GraphicBox

This function is to draw a graphic box.

```
int ZPL_GraphicBox(  
    void* handle,  
    int xPos,  
    int yPos,  
    int width,  
    int height,  
    int thickness,  
    int rounding,  
) ;
```

Parameter:

```
void* handle  
    [in,out] The created target printer object.  
int xPos  
    [in] Horizontal starting position (range: 0-32000,unit:dot).  
int yPos  
    [in] Vertical starting position (range: 0-32000,unit:dot).  
int width  
    [in] The width of the box (range: 1-32000, unit: dot).  
int height  
    [in] The height of the box (range: 1-32000, unit: dot).  
int thickness  
    [in] Boundary thickness (range: 1-32000, unit: dot).  
int rounding  
    [in] Degree of rotation (range: 0-8).
```

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.29 ZPL_GraphicCircle

This function is to draw a graphic circle.

```
int ZPL_GraphicCircle(  
    void* handle,  
    int xPos,  
    int yPos,  
    int diameter,  
    int thickness,  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
int xPos
[in] Horizontal starting position (range: 0-32000,unit:dot).
int yPos
[in] Vertical starting position (range: 0-32000,unit:dot).
int diameter
[in] Round diameter(range:3-4095,unit:dot).
int thickness
[in] Boundary thickness(range:1-4095,unit:dot).

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.30 ZPL_GraphicDiagonalLine

This function is to draw diagonals.

```
int ZPL_GraphicDiagonalLine(  
    void* handle,  
    int xPos,  
    int yPos,  
    int orientation,  
    int width,  
    int height,  
    int thickness  
) ;
```

Parameter:

```
void* handle  
    [in,out] The created target printer object.  
int xPos  
    [in] Horizontal starting position (range: 0-32000,unit:dot).  
int yPos  
    [in] Vertical starting position (range: 0-32000,unit:dot).  
int orientation  
    [in] The direction of the diagonal.  
        0x52(R or /) : right slanted diagonal  
        0x4c(L or \) : left slanted diagonal  
int width  
    [in] The width of the box (range: 1-32000, unit: dot).  
int height  
    [in] The height of the box (range: 1-32000, unit: dot).  
int thickness  
    [in] Boundary thickness (range: 1-32000, unit: dot).
```

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.31 ZPL_GraphicEllipse

This function is to draw a graphical ellipse.

```
int ZPL_GraphicEllipse(  
    void* handle,  
    int xPos,  
    int yPos,  
    int width,  
    int height,  
    int thickness  
) ;
```

Parameter:

```
void* handle  
    [in,out] The created target printer object.  
int xPos  
    [in] Horizontal starting position (range: 0-32000,unit:dot).  
int yPos  
    [in] Vertical starting position (range: 0-32000,unit:dot).  
int width  
    [in] Ellipse width (range: 3-4095, unit: dot).  
int height  
    [in] Ellipse height (range: 3-4095, unit: dot).  
int thickness  
    [in] Boundary thickness (range: 2-4095, unit: dot).
```

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.32 ZPL_PrintImage

This function is to print image.

```
int ZPL_PrintImage(
```

```
    void* handle,
```

```
    int xPos,
```

```
    int yPos,
```

```
    char* imgName
```

```
);
```

parameter:

```
void* handle
```

[in,out] The created target printer object.

```
int xPos
```

[in] Horizontal starting position (range: 0-32000,unit:dot).

```
int yPos
```

[in] Vertical starting position (range: 0-32000,unit:dot).

```
char* imgName
```

[in] The path to the image.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.33 ZPL_GraphicSymbol

This function is to generate registered trademarks, copyright symbols and other symbols.

```
int ZPL_GraphicSymbol(  
    void* handle,  
    int xPos,  
    int yPos,  
    int orientation,  
    int width,  
    int height,  
    char* type  
) ;
```

Parameter:

```
void* handle  
    [in,out] The created target printer object.  
int xPos  
    [in] Horizontal starting position (range: 0-32000,unit:dot).  
int yPos  
    [in] Vertical starting position (range: 0-32000,unit:dot).  
int orientation  
    [in] Print direction.  
        0 : normal  
        90 : Rotate 90 degrees clockwise  
        180: Rotate 180 degrees clockwise  
        270: Rotate 270 degrees clockwise  
int width  
    [in] Symbol width.  
int height  
    [in] Symbol height.
```

char type*

[in] Data string.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.34 ZPL_SetDiagnosticsMode

This function is to start the diagnostic mode.

```
int ZPL_SetDiagnosticsMode(  
    void* handle,  
    int isEnabled  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
int isEnabled
[in] Whether to enable the diagnostic mode.
1 : Turn on diagnostic mode
0 : Cancel diagnostic mode

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.35 ZPL_SetLabelHome

This function is to set the label home position.

```
int ZPL_SetLabelHome(  
    void* handle  
    int xPos,  
    int yPos  
)
```

Parameter:

void handle*
[in,out] The created target printer object.
int xPos
[in] Horizontal starting position (range: 0-32000,unit:dot).
int yPos
[in] Vertical starting position (range: 0-32000,unit:dot).

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.36 ZPL_SetLabelLength

This function is to set the label length.

```
int ZPL_SetLabelLength(  
    void* handle,  
    int length  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
int length
[in] Label length (range: 1-32000, unit: dot).

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.37 ZPL_SetLabelShift

This function is to move the contents of the label to the left.

```
int ZPL_SetLabelShift(  
    void* handle,  
    int shift  
) ;
```

Parameter:

void handle*

[in,out] The created target printer object.

int shift

[in] The value to move to the left (range: -9999–9999, unit: dot).

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.38 ZPL_SetLabelTop

This function is to move the position of the label up or down a short distance relative to the top edge of the label.

```
int ZPL_SetLabelTop(  
    void* handle,  
    int top  
)
```

Parameter:

void handle*
[in,out] The created target printer object.
int top
[in] Maximum degree (range: -120–120, unit: dot).

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.39 ZPL_SetPrintMode

This function is to set the action the printer performs after printing a label or label group.

```
int ZPL_SetPrintMode(  
    void* handle,  
    char mode,  
    char prePeelSelect  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
char mode
[in] Operating mode.
'T': tear open
'P': stripping (depending on the printer model)
'R': rewind (depending on the printer model)
'A': applicator (depending on printer model)
'C': cutter (depending on printer model)
'D': cutter delay
'F': RFID
'L': reserved
'U': reserved
'K': Kiosk
char prePeelSelect
[in] select.
'N': not execute
'Y': execute

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.40 ZPL_SetMediaType

This function is to select the type of media used in the printer.

```
int ZPL_SetMediaType(  
    void* handle,  
    char type  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
char type
[in] Media type.
‘T’ : thermal transfer media
‘D’ : direct thermal media

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.41 ZPL_SetPrintingMirrorImage

This function is to print the entire printable area of the label as a mirror image.

```
int ZPL_SetPrintingMirrorImage(  
    void* handle,  
    char enable  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
char enable
[in] Whether to open.
‘N’: not open
‘Y’: open

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.42 ZPL_SetPrintOrientation

This function is to flip the label format 180 degrees.

```
int ZPL_SetPrintOrientation(  
    void* handle,  
    int orientation  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
int orientation
[in] Whether to flip.
0: don't flip
180: perform a flip

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.43 ZPL_SetPrintRate

This function is to set the print speed.

```
int ZPL_SetPrintRate(  
    void* handle,  
    int printSpeed,  
    int slewSpeed,  
    int backfeedSpeed  
) ;
```

Parameter:

```
void* handle  
    [in,out] The created target printer object.  
int printSpeed  
    [in] Print speed. (unit: inches/sec)  
int slewSpeed  
    [in] Swing speed. (unit: inches/sec)  
int backfeedSpeed  
    [in] Feedback speed. (unit: inches/sec)
```

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.44 ZPL_SetPrintWidth

This function is to set print width.

```
int ZPL_SetPrintWidth(  
    void* handle,  
    int width  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
int width
[in] Set the print width (range: 2-944, unit: dot).

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.45 ZPL_SetSerialCommunications

This function is to change the serial communication parameters.

```
int ZPL_SetSerialCommunications(  
    void* handle,  
    int baudRate,  
    int wordLength,  
    char parity,  
    int stopBits,  
    char protocolModo,  
);
```

Parameter:

void handle*

[in,out] The created target printer object.

int baudRate

[in] Bandwidth frequency. The scope is as follows:

110	300	600	1200	2400
4800	9600	14400	19200	28800
38400	57600	115200		

int wordLength

[in] Word length: 7-8, unit: data bits.

char parity

[in] as follows:

'N': means: none.

'E': means: even.

'O': means: odd.

int stopBits

[in] Range: 1-2.

char protocolModo

[in] as follows:

'X': indicates: XON/XOFF.

'D': indicates: DTR/DSR.

‘R’: indicates: RTS.

‘M’: indicates: DTR/DSR XON/XOFF r.

remark: 1、XON/XOFF (transmitter on/transmitter off)

2、DTR (Data Terminal Ready)

3、DSR (Data Set Ready)

4、RTS (Request To Send)

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.46 ZPL_SetPrintDarkness

This function is to set print darkness.

```
int ZPL_SetPrintDarkness (
    void* handle,
    int darkness
);
```

Parameter:

void handle*
[in,out] The created target printer object.
int darkness
[in] Print darkness(Range: 0-30, unit: dot).

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.47 ZPL_SetTearOffAdjustPosition

This function is to set the position where the label is torn away.

```
int ZPL_SetTearOffAdjustPosition (
    void* handle,
    int position
);
```

Parameter:

void handle*
[in,out] The created target printer object.
int position
[in] Peel off position (range: -120~+120).

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.48 ZPL_PrintConfigurationLabel

This function is to generate a printer configuration label.

```
int ZPL_PrintConfigurationLabel(  
    void* handle  
)
```

Parameter:

```
void* handle  
[in,out] The created target printer object.
```

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.49 ZPL_GetPrinterIpAddress

This function is to get the printer IP address.

```
int ZPL_GetPrinterIpAddress(  
    void* handle  
    char* ipAddress  
)
```

Parameter:

```
void* handle  
    [in,out] The created target printer object.  
char* ipAddress  
    [in] Printer's IP address.
```

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.50 ZPL_GetPrinterStatus

This function is to get the status of the printer.

```
int ZPL_GetPrinterStatus (  
    void* handle,  
    int* status  
) ;
```

Parameter:

```
void* handle  
[in,out] The created target printer object.  
int* status  
[in] The status of the printer.
```

HT/HD/XT/XD series models:

Status	Value
High Temperature	1
Standby	2
Printing	4
TOF Error	8
Label End	16
Ribbon End	32
Label Seizing	64
Label Jumpping	128
Label Calibrating	256
Cuter Error	512
Form Error	1024
Memory Write Error	2048
illegal Command	4096
Lid Not In Place	8192
Ribbon Almost End	16384

Other models:

Status	Value
Standby	0
Out Of Paper	1
Open The Lid	2
Time Out	4
High Temperature	8
Ribbon End	16

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.51 ZPL_GetLabelLength

This function is to get the length of the label.(not available on HT130/300)

```
int ZPL_GetLabelLength (
    void* handle,
    char* length
);
```

Parameter:

void handle*
[in,out] The created target printer object.
char length*
[in] The length of the label.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.52 ZPL_GetLabelWidth

This function is to get the width of the label. (not available on HT130/300)

```
int ZPL_GetLabelWidth(  
    void* handle,  
    char* width  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
char width*
[in] The width of the label.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.53 ZPL_GetPrinterSeriesNumber

This function is to get the printer serial number.

```
int ZPL_GetPrinterSeriesNumber(  
    void* handle,  
    char* sn  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
char sn*
[in] Printer serial number.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.54 ZPL_GetPrinterMacAddress

This function is to get the printer's MAC address.

```
int ZPL_GetPrinterMacAddress(  
    void* handle,  
    char* macAddressss  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
char macAddress*
[in] The MAC address of the printer.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.55 ZPL_GetPrinterName

This function is to get the printer's name.

```
int ZPL_GetPrinterName(  
    void* handle,  
    char* name  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
char name*
[in] The name of the printer.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.56 ZPL_GetPrinterFirmwareVersion

This function is to get the firmware version number of the printer.

```
int ZPL_GetPrinterFirmwareVersion(  
    void* handle,  
    char* version  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
char version*
[in] The firmware version number of the printer.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.57 ZPL_GetPrinterDpi

This function is to get the resolution of the printer.

```
int ZPL_GetPrinterDpi(  
    void* handle,  
    char* dpi  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
char dpi*
[in] The resolution of the printer.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.58 ZPL_LearnLabel

This feature is used for automatic label learning.

```
int ZPL_LearnLabel(  
    void* handle,  
);
```

Parameter:

void handle*
[in,out] The created target printer object.
(The interface needs to be called before ZPL_StartFormat)

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.59 ZPL_SetReprintAfterError

This function is to reprint the labels that failed to print due to an error (error conditions include Ribbon Out, Media Out, Head Open).

```
int ZPL_SetReprintAfterError(  
    void* handle,  
    char* pEnable  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
Char pEnable*
[in] Whether to enable reprint.
“on”: turn on reprint switch
“off”: close reprint switch
(The interface needs to be called before ZPL_StartFormat)

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.60 ZPL_SetNetworkSetting

This function is to change the network settings on the printer.

```
int ZPL_SetNetworkSetting(  
    void* handle,  
    char* network  
);
```

Parameter:

void* handle
[in,out] The created target printer object.

char* network

[in] **Format** “a,b,c,d,e,f,g,h,i,j”
a position (the device that is being modified):
1 express: external wired;
2 express: internal wired;
3 express: wireless;

b position (IP resolution):
A express: All;
B express: BOOTP;
C express: DHCP and BOOTP;
D express: DHCP;
G express: Gleaning only (Not recommended when the Wireless Print Server
or Wireless Plus Print Server is installed.);
R express: RARP;
P express: Permanent;

c position (IP address)	: format: xxx.xxx.xxx.xxx
d position (subnet mask)	: format: xxx.xxx.xxx.xxx
e position (default gateway)	: format: xxx.xxx.xxx.xxx
f position (WINS server address)	: format: xxx.xxx.xxx.xxx
g position (connection timeout checking)	: Whether timeout detection: Y=yes, N=no
h position (timeout value)	: range: 0-9999.
i position (ARP broadcast interval)	:range: 0-30.
j position (ARP broadcast interval)	:range: 1-65535.

Parameter setting example: “1, A, 192.168.1.1, 255.255.255.0, 192.168.1.1,
192.168.1.1, Y, 300, 0, 9100”

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.61 ZPL_SetMediaTracking

This function is to specify the media type being used and the black mark offset.

```
int ZPL_SetMediaTracking(
```

```
    void* handle,
```

```
    char mediaType,
```

```
    int offset
```

```
);
```

Parameter:

void handle*

[in,out] The created target printer object.

char mediaType

[in] Media Type.

'N': continuous media(continuous paper)

'Y': non-continuous media web sensing(label paper)

'W': non-continuous media web sensing(label paper)

'M': non-continuous media mark sensing(black mark paper)

'A': auto-detects the type of media during calibration

'V': continuous media, variable length(Same as continuum, but if the portion of
the printed label exceeds the defined label length, the label size will
automatically expand to include them)

int offset

[in] Black mark offset (unused, set to 0) .

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.62 ZPL_SetUserFontName

This function is to Set user-defined fonts,use for print text

```
int ZPL_SetPrintDefaultGateway (
    void* handle
    const TCHAR* text
);
```

Parameter:

void handle*
[in,out] The created target printer object.
const TCHAR text*
[in] Font name

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.63 ZPL_SetVietMode

This function is to Set Vietnamese mode

```
int ZPL_SetVietMode(  
    void* handle  
    int vietmode  
)
```

Parameter:

void* handle
[in,out] The created target printer object.
int vietmode
[in] mode
1: ASCII
2: UTF-8
(The interface needs to be called before ZPL_StartFormat)

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.64 ZPL_SetVietFontEncoding

This function is to set Vietnamese character

```
int ZPL_SetVietFontEncoding(  
    void* handle  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.

(The interface needs to be called before ZPL_StartFormat)

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.65 ZPL_Text_Block

This function is to print text block.

```
int ZPL_Text_Block(  
    void* handle,  
    int xPos,  
    int yPos,  
    int fontNum,  
    int orientation,  
    int fontWidth,  
    int fontHeight,  
    int textBlockWidth,  
    int textBlockHeight,  
    char* text  
);
```

Parameter:

```
void* handle  
    [in,out] The created target printer object.  
int xPos  
    [in] Horizontal starting position (range: 0-32000,unit:dot).  
int yPos  
    [in] Vertical starting position (range: 0-32000,unit:dot).
```

int fontNum

[in] Font.

- 0 : FONT 0 - Scalable font
- 1 : FONT A - Bitmap font
- 2 : FONT B - Bitmap font
- 3 : FONT D - Bitmap font
- 4 : FONT E - Bitmap font
- 5 : FONT F - Bitmap font
- 6 : FONT G - Bitmap font
- 7 : FONT H - Bitmap font
- 8 : FONT GS - Bitmap font
- 9 : FONT P - Bitmap font
- 10 : FONT Q - Bitmap font
- 11 : FONT R - Bitmap font
- 12 : FONT S - Bitmap font
- 13 : FONT T - Bitmap font
- 14 : FONT U - Bitmap font
- 15 : FONT V - Bitmap font

FONT A -- ABCDwxyz 12345

FONT B -- ABCDwXYZ 12345 UPPER CASE ONLY

FONT D -- ABCDwxyz 12345

FONT E -- (OCR-B) ABCDwxyz 12345

FONT F -- ABCDwxyz 12345

FONT G -- ABYz 12

FONT H -- (OCR-A) UPPER CASE ONLY

FONT O -- (Scalable) ABCDwxyz 12345

FONT GS -- ® © ™ ®

FONT P -- ABCDwxyz 12345

FONT Q -- ABCDwxyz 12345

FONT R -- ABCDwxyz 12345

FONT S -- ABCDwxyz 12345

FONT T -- ABCDwxyz 12345

FONT U -- ABCDwxyz 12345

FONT V -- ABCDwxyz 12345

int orientation

[in] Print direction.

- 0 : normal
- 90: Rotate 90 degrees clockwise
- 180: Rotate 180 degrees clockwise
- 270: Rotate 270 degrees clockwise

int fontWidth

[in] Font width.

int fontHeight

[in] Font height.

int textBlockWidth

[in] Text block width

int textBlockHeight

[in] Text block height

char text*

[in]Text data.

Note: The data does not support Chinese at this time

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.69 ZPL_SetPrintQuantity

This function is to gives control over several printing operations. It controls the number of labels to print, the number of labels printed before printer pauses, and the number of replications of each serial number.

```
int ZPL_SetPrintQuantity(  
    void* handle,  
    int totalQuantity,  
    int pauseAndCutValue,  
    int replicatesOfEachSerialNumber,  
    char overridePauseCount  
) ;
```

Parameter:

```
void* handle  
    [in,out] The created target printer object.  
int totalQuantity  
    [in] total quantity of labels to print (range: greater or equal to 1).  
int pauseAndCutValue  
    [in] pause and cut value (range: greater or equal to 0,0 Means no pause).  
int replicatesOfEachSerialNumber  
    [in] replicates of each.(range: greater or equal to 0).  
char overridePauseCount  
    [in] Cut paper or pause.  
    'N': pause  
    'Y': Cut paper
```

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.70 ZPL_DataMatrixBarcode

This function is to print Data Matrix.

```
int ZPL_DataMatrixBarcode(  
    void* handle,  
    int xPos,  
    int yPos,  
    int orientation,  
    int codeHeight,  
    int level,  
    int columns,  
    int rows,  
    int formatId,  
    Int aspectRatio,  
    char* text  
) ;
```

Parameter:

```
void* handle  
    [in,out] The created target printer object.  
int xPos  
    [in] Horizontal starting position (range: 0-32000, unit: dot).  
int yPos  
    [in]Vertical starting position (range: 0-32000, unit: dot).
```

int orientation

[in] Printing direction.

0: normal

90: Rotate 90 degrees clockwise

180: Rotate 180 degrees clockwise

270: Rotate 270 degrees clockwise

int codeHeight

[in] code height (range: 1-32000, unit: dot).

int level

[in] Security Level (0, 50, 80, 100, 140, 200) .

int column

[in] The number of columns to be encoded.

int rows

[in] The number of lines to be encoded.

Int formatId

[in] Format id (0-6).

1 = Field data is number + space (0..9, ")-no \& ' '

2 = Field data is uppercase alphanumeric + space (A..Z, ' ') - no \& ' '

3 = Field data is uppercase alphanumeric + space, period, comma,
dotted line and slash(0..9, A..Z, ".-/")

4 = The field data is uppercase alphanumeric + space (0..9, A..Z, ' ') -
no \& ' '

5 = The field data is a complete 128 ASCII 7-bit character set

6 = The field data is a complete 256 ASCII 8-bit character set

int aspectRatio

[in] Aspect ratio.

1 = square

2 = rectangle

char text*

[in] code data.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.71 ZPL_GetPrinterName

This function is to get the printer model.

```
int ZPL_GetPrinterName(  
    void* handle,  
    char* name  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
char name*
[in] printer model.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.72 ZPL_GetPrinterSeriesNumber

This function is to get the printer serial number.

```
int ZPL_GetPrinterSeriesNumber(  
    void* handle,  
    char* sn  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
char sn*
[in] printer serial number。

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.73 ZPL_GetPrinterOdometer

This function is to get the number of printed mileage.

```
int ZPL_GetPrinterOdometer(  
    void* handle,  
    char* meters  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
char meters*
[in] printed mileage.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.74 ZPL_GetPrinterFonts

This function is to get the printer's built-in font.

```
int ZPL_GetPrinterFonts(  
    void* handle,  
    char* fonts  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
char fonts*
[in] printer's built-in font, The format is E_xxx.

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.75 ZPL_SetPrinterInstruction

This function is to set the print instruction set.

```
int ZPL_SetPrinterInstruction(  
    void* handle,  
    int type  
)
```

Parameter:

void handle*
[in,out] The created target printer object.
int type
[in] Instruction set type 0: ZPL, 1: cpcl

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.76 ZPL_SetPrinterNetMode

The function of this function is to set the wifi mode.

```
int ZPL_SetPrinterNetMode(  
    void* handle,  
    int mode  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
int mode
[in] wifi mode。 (0:close, 1:sta, 2: ap)

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.76 ZPL_SetPrinterNetSSID

The function of this function is to set wifi SSID.

```
int ZPL_SetPrinterNetSSID(  
    void* handle,  
    int mode,  
    const TCHAR* ssid  
);
```

Parameter:

void handle*
[in,out] The created target printer object.
int mode
[in] wifi mode。 (1:sta, 2: ap)
const TCHAR ssid*
[in] ssid data (range: 1-32)

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.77 ZPL_SetPrinterNetPwdSwitch

The function of this function is to set wifi Password switch.

```
int ZPL_SetPrinterNetPwdSwitch(  
    void* handle,  
    int mode,  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
int mode
[in] wifi password switch。 (0: off, 1: on)

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.78 ZPL_SetPrinterNetPwd

This function is to set the wifi password.

```
int ZPL_SetPrinterNetPwd(  
    void* handle,  
    int mode,  
    const TCHAR* pwd  
);
```

Parameter:

void handle*
[in,out] The created target printer object.
int mode
[in] wifi mode。 (1:sta, 2: ap)
const TCHAR pwd*
[in] password (range: 1-64)

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.79 ZPL_SetPrinterNetDHCP

This function is to set wifi DHCP.

```
int ZPL_SetPrinterNetDHCP(  
    void* handle,  
    int mode,  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
int mode
[in] Whether to open (0: close, 1: open)

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.80 ZPL_SetPrintIpAddress

This function is to set the wifi IP address.

```
int ZPL_SetPrintIpAddress(  
    void* handle,  
    int mode,  
    const TCHAR* ipaddress  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
int mode
[in] wifi mode。 (0:off, 1:on)
const TCHAR ipaddress*
[in] ip address。 The format is: xxx.xxx.xxx.xxx

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.81 ZPL_SetPrintSubnetMask

This function is to set the wifi subnet mask.

```
int ZPL_SetPrintSubnetMask(  
    void* handle,  
    const TCHAR* mask  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
const TCHAR mask*
[in] subnet mask。The format is: xxx.xxx.xxx.xxx

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.82 ZPL_SetPrintDefaultGateway

This function is to set the wifi default gateway.

```
int ZPL_SetPrintDefaultGateway(  
    void* handle,  
    const TCHAR* gateway  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
const TCHAR gateway*
[in] default gateway The format is: xxx.xxx.xxx.xxx

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.83 ZPL_SetPrinterBluetoothSSID

This function is to set the Bluetooth SSID.

```
int ZPL_SetPrinterBluetoothSSID(  
    void* handle,  
    const TCHAR* ssid  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
const TCHAR ssid*
[in] ssid data (range: 1-32)

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.84 ZPL_SetPrinterBluetoothPIN

This function is to set the Bluetooth pin code

```
int ZPL_SetPrinterBluetoothPIN(  
    void* handle,  
    const TCHAR* pin  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
const TCHAR pin*
[in] pin data (range: 1-32)

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.85 ZPL_SetPrinterSleepTime

This function is to set the sleep time

```
int ZPL_SetPrinterSleepTime(  
    void* handle,  
    int time,  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
int time
[in] sleep time(range: 0-999, unit: minute)

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.86 ZPL_SetPrinterShutdownTime

This function is to set the automatic shutdown time.

```
int ZPL_SetPrinterShutdownTime(  
    void* handle,  
    int time,  
) ;
```

Parameter:

void handle*
[in,out] The created target printer object.
int time
[in] Automatic shutdown time (range: 0-999, unit: minute)

Return Value:

Error code	Value	Description
E_SUCCESS	0	Normal
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.87 ZPL_FirmwareUpgrade

This function is to upgrade the printer firmware and is only applicable to HM-T300 PRO. This interface needs to be called before PrinterCreator or after PrinterDestroy

```
int ZPL_FirmwareUpgrade(  
    void* handle,  
    const TCHAR* cFileName,  
    const TCHAR* model,  
    const TCHAR* ioSettings  
);
```

Parameter:

```
void* handle  
    [in,out] The created target printer object.  
const TCHAR* cFileName  
    [in] Firmware file  
const TCHAR* model  
    [in] model  
const TCHAR* ioSettings  
    [in] Set up the parameter of communication port that connected to the target  
        printer. Please see as below:
```

Configuration List:

Type	Configuration	Description	Sample
USB	USB[Position/Model/PortNum]	USB: connect any USB printer of our company USB[Position]: When connecting to multi printers of our company, can specify connecting to one particular USB printer through USB position information (Position parameter)	USB USB,Port_#0004.Hub_#0003 USB,LPG4 USB,USB001
NET	NET, IP Add (IPV4)[Port]	Specify the IP add and port of internet printer. If not specifying	NET,192.168.0.36 NET,192.168.0.36,9100

		port, the default port is 9100.	
COM	COM<i>n</i>,BAUDRATE_ <i>rate</i>	Specify the number and baud rate of connected serial port .	COM5,BAUDRATE_19200
LPT	LPT<i>n</i>	Specify the number of connected parallel port.	LPT1

Note: [] indicates selective parameter

Return Value:

Error code	Value	Description
E_SUCCESS	1	success
E_FAILED	0	failed
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.88 ZPL_FontDownload

This function is a font download, only applicable to HM-T300 PRO. This interface needs to be called before PrinterCreator or after PrinterDestroy

```
int ZPL_FontDownload(  
    void* handle,  
    const TCHAR* cFileName,  
    const TCHAR* model,  
    const TCHAR* ioSettings  
) ;
```

Parameter:

```
void* handle  
    [in,out] The created target printer object.  
const TCHAR* cFileName  
    [in] Font file  
const TCHAR* model  
    [in] model  
const TCHAR* ioSettings  
    [in] Set up the parameter of communication port that connected to the target  
        printer. Please see as below:
```

Configuration List:

Type	Configuration	Description	Sample
USB	USB[Position/Model/PortNum]	USB: connect any USB printer of our company USB[Position]: When connecting to multi printers of our company, can specify connecting to one particular USB printer through USB position information (Position parameter)	USB USB,Port_#0004.Hub_#0003 USB,LPG4 USB,USB001
NET	NET, IP Add (IPV4)[Port]	Specify the IP add and port of internet printer. If not specifying	NET,192.168.0.36 NET,192.168.0.36,9100

		port, the default port is 9100.	
COM	COM<i>n</i>,BAUDRATE_ <i>rate</i>	Specify the number and baud rate of connected serial port .	COM5,BAUDRATE_19200
LPT	LPT<i>n</i>	Specify the number of connected parallel port.	LPT1

Note: [] indicates selective parameter

Return Value:

Error code	Value	Description
E_SUCCESS	1	success
E_FAILED	0	failed
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout

4.89 ZPL_VectorFontDownload

This function is a vector font download, only applicable to HM-T300 PRO. This interface needs to be called before PrinterCreator or after PrinterDestroy

```
int ZPL_VectorFontDownload(  
    void* handle,  
    const TCHAR* cFileName,  
    const TCHAR* model,  
    const TCHAR* ioSettings  
) ;
```

Parameter:

```
void* handle  
    [in,out] The created target printer object.  
const TCHAR* cFileName  
    [in] Vector font file  
const TCHAR* model  
    [in] model  
const TCHAR* ioSettings  
    [in] Set up the parameter of communication port that connected to the target  
        printer. Please see as below:
```

Configuration List:

Type	Configuration	Description	Sample
USB	USB[,Position/Model/PortNum]	USB: connect any USB printer of our company USB[,Position]: When connecting to multi printers of our company, can specify connecting to one particular USB printer through USB position information (Position parameter)	USB USB,Port_#0004.Hub_#0003 USB,LPG4 USB,USB001
NET	NET, IP Add (IPV4)[,Port]	Specify the IP add and port of internet printer. If not specifying	NET,192.168.0.36 NET,192.168.0.36,9100

		port, the default port is 9100.	
COM	COM<i>n</i>,BAUDRATE_ <i>rate</i>	Specify the number and baud rate of connected serial port .	COM5,BAUDRATE_19200
LPT	LPT<i>n</i>	Specify the number of connected parallel port.	LPT1

Note: [] indicates selective parameter

Return Value:

Error code	Value	Description
E_SUCCESS	1	success
E_FAILED	0	failed
E_INVALID_PARAMETER	-1	Invalid parameter
E_NOT_ENOUGH_BUFFER	-2	No enough memory
E_INVALID_MODEL_TYPE	-3	This model does not support this feature.
E_BAD_HANDLE	-6	Invalid handle
E_IO_PORT_NOT_OPEN	-309	Communication port not open
E_IO_WRITE_FAILED	-321	Write failed
E_IO_WRITE_TIMEOUT	-322	Write timeout